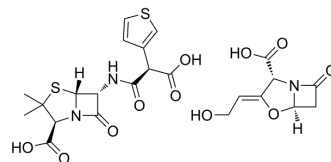


## Augpenin

<b>Cat. No.:</b>	HY-156264		
<b>CAS No.:</b>	86482-18-0		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>25</sub> N <sub>3</sub> O <sub>11</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	583.59		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (171.35 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
Preparing Stock Solutions	1 mM		1.7135 mL			8.5677 mL			17.1353 mL		
	5 mM		0.3427 mL			1.7135 mL			3.4271 mL		
	10 mM		0.1714 mL			0.8568 mL			1.7135 mL		

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Augpenin (Ticarcillin-clavulanic acid mixt.) is a mixture of Ticarcillin (HY-139805) and Clavulanic acid (HY-A0256) in a ratio of 15:1<sup>[1]</sup>.

### REFERENCES

- [1]. Shiono A, et al. [Clinical evaluation of Augpenin (clavulanic acid-ticarcillin) in urinary tract infections: especially against beta-lactamase producing strains]. Hinyokika Kyo. 1993 Aug;39(8):777-82. Japanese.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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